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December 29, 2003

ATTORNEY DOCKET NO.: INTEL1160 (P15620)

ATTN: MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new Utility patent application of:

APPLICANTS: **TAE-WOONG KOO and SELENA CHAN**

TITLE: **METHODS AND COMPOSITIONS FOR NUCLEIC ACID
DETECTION AND SEQUENCE ANALYSIS**

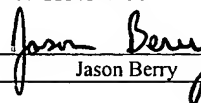
Enclosed are the following papers, including all those required to receive a filing date under
37 CFR § 1.53(b):

Number of Pages

| | |
|-----------------------|----|
| Specification | 54 |
| Claims | 5 |
| Abstract | 1 |
| Declaration | 6 |
| Drawing(s) – [formal] | 2 |

“EXPRESS MAIL” Mailing Label Number: EV 318 740 751 US
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I hereby certify under 37 CFR§ 1.10 that this correspondence is
being deposited with the United States Postal Service as “Express
Mail Post Office To Addressee” with sufficient postage on the
date indicated above and is addressed to Mail Stop Patent
Application, Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450.


Jason Berry

ATTORNEY DOCKET NO.: INTEL1160 (P15618)

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Enclosure(s):

- Application Data Sheet (2 pages)
- Check No. 550177 in the amount of \$1,022.00
- Return Receipt Postcard
- Sequence Listing including:
 - Paper containing Sequence Listing (1 page)
 - Disk containing sequence listing
 - Verified Statement Under 37 C.F.R. § 1.821(f) (1 page)
 - Statement Under 37 C.F.R. §§ 1.821(f) (1 page)

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

| | Number Filed | | Number Extra | | Rate | | | Fee | |
|---|-----------------|---|-----------------|---|-----------------|-----------------|---|-----------------|-----------------|
| | | | | | Large Entity | Small Entity | | Large Entity | Small Entity |
| Total Claims | 34-20 | = | 14 | X | \$18 | \$09 | = | \$252.00 | \$ 0.00 |
| Independent Claims | 3 -3 | = | 1 | X | \$86 | \$43 | = | \$ 0.00 | \$ 0.00 |
| Multiple Dependent Claims Presented: ___ Yes <u>X</u> No | | | | | \$280 | \$140 | | \$ 0.00 | \$ 0.00 |
| | | | | | BASIC FEE | | | \$770.00 | \$385.00 |
| | | | | | TOTAL FEE | | | \$1022.00 | \$00 |

Check No. 550177 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

GRAY CARY WARE & FREIDENRICH LLP

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If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

Lisa A. Haile, J.D., Ph.D.

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Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP



Lisa A. Haile, J.D., Ph.D.

Registration No. 38,347

December 29, 2003

Date

LAH/EJV/kdl

Enclosures